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(21) International Application Number: PCT/US99/30622 (22) International Filing Date: 22 December 1999 (22.12.99) (30) Priority Data: 09/218,467 22 December 1998 (22.12.98) US (71) Applicant: SMITHKLINE BEECHAM CORPORATION (US/US); One Franklin Plaza, Philadelphia, PA 19103 (US). (72) Inventors: SATHE, Ganesh; 107 Hunters Run Road, King of Prussia, PA 19406 (US). ELLIS, Catherine, E.; 831 Fordham Place, Glassboro, NJ 08028 (US). HALSEY, Wendy; 435 Bayard Road, Kenneth Square, PA 19348 (US). BERGSMAN, Deric; 271 Irish Road, Berwyn, PA 19312 (US). (74) Agents: ANDERSEN, Robert, L. et al.; Ratner & Prestia, 301 One Westlakes (Berwyn), P.O. Box 980, Valley Forge, PA 19482-0980 (US).		(81) Designated States: JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: 11 CBY GENOMIC SEQUENCE (57) Abstract <p>The present invention relates to 11cby, in particular 11cby polypeptides and 11cby polynucleotides, recombinant materials and methods for their production. In another aspect, the invention relates to methods for using such polypeptides and polynucleotides, including the treatment of bacterial, fungal, protozoan and viral infections, particularly infection caused by HIV-1 or HIV-2; pain; cancer; diabetes; obesity; feeding and drinking abnormalities, such as anorexia and bulimia; asthma; Parkinson's disease; both acute and congestive heart failure; hypotension; hypertension; urinary retention; osteoporosis; angina pectoris; myocardial infarction; ulcers; allergies; benign prostatic hypertrophy and psychotic and neurological disorders, including anxiety, schizophrenia, manic depression, delirium, dementia or severe mental retardation, and dyskinesias, such as Huntington's disease or Gilles de la Tourette's syndrome, hereinafter referred to as "the Diseases", amongst others. In a still further aspect, the invention relates to diagnostic and prognostic assays for detecting diseases associated with inappropriate 11cby activity or levels. A method of performing genetic association studies for searching a disease susceptibility and/or drug response genes comprising using polymorphic markers in 11cby polynucleotides. Yet in further aspect, the invention relates to transgenic animals, and use of transgenic animals for disease models to screening for therapeutic.</p>		